



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141272

Mode: Highway

Status: Submitted

US-29 ALT (Franklin Blvd)

From/Cross Street: NC 274

Specific Improvement Type: 10 - Improve Intersection

To:

Project Category: Regional Impact

Length: 0.5

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$2,170,000

Description:

Intersection Improvements. Crosswalks, pedheads, turn lanes on every approach.

Division(s): Division 12

County(s): GASTON

MPOS(s)/RPO(s): Gaston-Cleveland-Lincoln MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 43.85

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 33.18	Percent: 15% Points: 0	Percent: 15% Points: 100
Safety (10%) 66.70		
[Travel Time] Benefit/Cost (25%) 46.78		
Accessibility / Connectivity (10%) 21.94		
Totals: Weight: 70% Weighted Score: 28.85		

Division Needs Total Score: 22.66

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 33.18	Percent: 25% Points: 0	Percent: 25% Points: 0
Safety (10%) 66.70		
[Travel Time] Benefit/Cost (20%) 46.78		
Totals: Weight: 50% Weighted Score: 22.66		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	35
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Other Principal Arterial
Terrain Type:	Rolling
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	Yes
Volume (AADT):	29908.22
Capacity:	84598.62
Volume/Capacity Ratio:	0.35
% Autos:	94%
% Trucks:	6%
Truck Volume:	1848.49
Crash Density:	0
Crash Severity:	0
Critical Crash Rate:	0
Crash Frequency:	66.7
Severity Index:	66.7
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	21
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	80
Actual Congested Speed:	25
Travel Time Index:	1.4

Project Benefits

Project Cross-Section:	
Speed Limit:	35
Length (miles):	0.5
Facility Type:	Arterial
Access Control:	Full
Functional Classification:	Other Principal Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	4498000
Travel Time Savings for 30 Years (Autos):	4219998.56
Travel Time Savings for 30 Years (Trucks):	278001.44
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	2040 MTP
CTP/LRTP Completion Year:	2014
Submitted by:	Gaston-Cleveland-Lincoln MPO

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 12	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Gaston-Cleveland-Lincoln MPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$1,750,000	Cost Estimation Tool
Right-of-Way Cost:	\$420,000	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$2,170,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$2,170,000	